Index of Claims



Application/Control No.

09/940,596

Examiner

Hussein A. El-chanti

Applicant(s)/Patent under Reexamination

SIMPSON, SHELL S.

Art Unit

2157

| √ | Rejected |
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| = | Allowed  |

| _ | (Through numeral)<br>Cancelled |
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| ÷ | Restricted                     |

| N | Non-Elected  |
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| ı | Interference |

| Α | Appeal   |
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| o | Objected |

| Cla             | Date  |  |          |                  |              |  |                |          |          |                |  |  |
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| Final           | Original  | 5/9/05   |          |                  |              |  |                |          |          |                |  |  |
|                 | 1   | ~  |          |                  |              |  |                |          |          | П              |  |  |
|                 | 2   | 1  |          |                  |              |  | Γ              |          | Г        | П              |  |  |
|                 | 3   |  |          |                  |              |  |                |          |          |                |  |  |
|                 | 4   | Π  |          |                  |              |  |                |          |          |                |  |  |
|                 | 5   | П  |          |                  |              |  | Γ              |          |          |                |  |  |
|                 | 6   | П  |          |                  |              |  |                |          |          |                |  |  |
|                 | 7   |  |          |                  |              |  |                |          |          |                |  |  |
|                 | 8   |  |          |                  |              |  |                |          |          |                |  |  |
|                 | 9   |  |          |                  |              |  |                |          |          |                |  |  |
|                 | 10  | Ш  |          |                  |              |  | <u> </u>       |          | L        |                |  |  |
|                 | 11  | Щ  |          | _                | L            | <u>_</u>   | <u>L</u>       |          |          | Ш              |  |  |
|                 | 12  | 1  | <u> </u> |                  | ļ            | <u> </u>   | <u> </u>       | <u> </u> | L        |                |  |  |
|                 | 13  | Ц.   | <u></u>  | <u> </u>         | <u> </u>     | <u> </u>   | <u> </u>       | <u> </u> | L        | Ш              |  |  |
| <u> </u>        | 14  | V  | _        | <u> </u>         |              | <u> </u>   | <u> </u>       | <u> </u> | <u> </u> | $\square$      |  |  |
|                 | 15  | _  | _        |                  | <u> </u>     |  | <u> </u>       | $\vdash$ | <u> </u> | Щ              |  |  |
|                 | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23<br>24<br>25<br>26<br>27<br>28<br>29<br>30<br>31<br>31<br>31<br>31<br>31<br>31<br>31<br>31<br>31<br>31<br>31<br>31<br>31 | *  |          | <u> </u>         | ļ            | <u> </u>   | <b> </b>       | ļ        | $\vdash$ | Ш              |  |  |
|                 | 17  |  |          |                  | _            | _  | _              | _        |          | Ш              |  |  |
|                 | 18  |  |          |                  |              | _  | _              | _        |          | Ш              |  |  |
|                 | 19  | _  | _        | <u> </u>         | <u> </u>     | <u> </u>   |                | <u> </u> |          |                |  |  |
|                 | 20  | _  |          | <u> </u>         | <u> </u>     | <u> </u>   | <del> </del> _ | _        |          |                |  |  |
|                 | 21  |  | _        | <u> </u>         |              | _  | <u> </u>       |          | _        | $\vdash$       |  |  |
|                 | 22  |  |          | $\vdash$         | _            | <u> </u>   | <u> </u>       |          | _        | _              |  |  |
|                 | 23  | _  | _        | L                | <u> </u>     | $\vdash$   | <u> </u>       | _        | <u> </u> | -              |  |  |
| _               | 24  | $\vdash$   | _        | $\vdash$         | _            | _  | ┝              | ⊢        | H        | Н              |  |  |
| <u> </u>        | 25  | $\vdash$   | _        | $\vdash$         | _            | -  | ├              | $\vdash$ | H        | Н              |  |  |
|                 | 27  | H  | -        | ⊢                | -            | ļ  | ┝              | -        | $\vdash$ | Н              |  |  |
|                 | 20  | $\vdash$   |          | H                | <u> </u>     | _  | $\vdash$       | <u> </u> | $\vdash$ | Н              |  |  |
|                 | 20  | $\vdash$   | $\vdash$ | H                | $\vdash$     | $\vdash$   | ⊢              | $\vdash$ | $\vdash$ | Н              |  |  |
| <u> </u>        | 30  | $\vdash$   | _        | -                | _            | ┢  | ⊢              |          | -        | Н              |  |  |
|                 | 31  | $\vdash$   | $\vdash$ | -                | -            | <del>                                     </del> | ├─             | -        |          | Н              |  |  |
| $\vdash$        | 32  | $\vdash$   | -        | $\vdash$         | $\vdash$     | $\vdash$   | $\vdash$       | $\vdash$ | $\vdash$ | $\vdash\vdash$ |  |  |
|                 | 33  | <del>                                     </del> | _        | $\vdash$         | <u> </u>     |  | $\vdash$       | $\vdash$ | -        | Н              |  |  |
|                 | 34  | -  |          |                  | <del> </del> | <del> </del>                                     |                | H        | Н        | H              |  |  |
|                 | 33<br>34<br>35  | <del> </del>                                     | -        | <del>  -  </del> | H            | ┢╌   | $\vdash$       |          | Н        | H              |  |  |
|                 | 36  |  |          |                  | $\vdash$     | _  | _              |          | $\vdash$ | Н              |  |  |
|                 | 36<br>37  | H  |          |                  |              |  | <u> </u>       |          |          | H              |  |  |
|                 | 38  | T  |          |                  | Н            | $\vdash$   | 一              | Г        | $\vdash$ | H              |  |  |
|                 | 39  | İΤ   |          | $\vdash$         | Г            |  |                |          | Г        | П              |  |  |
|                 | 40  |  |          |                  |              |  |                |          |          | П              |  |  |
|                 | 41  | Г  |          | Г                |              |  | Γ              |          | Г        | П              |  |  |
|                 | 42  | Г  |          |                  |              |  |                |          |          | П              |  |  |
|                 | 43  |  |          |                  |              |  |                |          |          |                |  |  |
|                 | 44  |  |          |                  |              |  |                |          |          |                |  |  |
|                 | 45  |  |          |                  |              |  |                |          |          |                |  |  |
|                 | 46  |  |          |                  |              |  |                |          |          |                |  |  |
|                 | 47  |  |          |                  |              |  |                |          |          |                |  |  |
|                 | 48  |  |          |                  |              |  |                |          |          |                |  |  |
|                 | 49  |  |          |                  |              |  |                |          |          |                |  |  |
|                 | 50  |  |          |                  |              |  | Π              | -        |          |                |  |  |

| Cla      | aim      | Date   |              |  |  |          |  |          |              |              |  |  |  |
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|          |          |  |              |  |  |          |  |          |              |              |  |  |  |
|          | 51<br>52 |  |              |  |  |          |  |          |              |              |  |  |  |
| _        | 52       | $\vdash$   | _            |  |  | $\vdash$ |  |          | $\vdash$     |              |  |  |  |
|          | 53       | ├─   | -            |  |  | -        | $\vdash$   | _        | $\vdash$     | -            |  |  |  |
|          | 53       | $\vdash$   |              | <u> </u>   | $\vdash$   | ⊢        | _  |          |              |              |  |  |  |
|          | 54<br>55 |  | _            |  |  | Ш        |  | _        |              | _            |  |  |  |
|          | 55       |  |              |  |  |          |  |          | -            |              |  |  |  |
|          | 56       |  |              |  |  |          |  |          |              |              |  |  |  |
|          | 57       |  |              |  |  |          |  |          |              |              |  |  |  |
| <b>—</b> | 58       | $\vdash$   |              | <del>                                     </del> | -  | $\vdash$ | -  |          |              |              |  |  |  |
| <u> </u> |          |  | _            | <del> </del>                                     | -  | $\vdash$ | -  | _        |              | _            |  |  |  |
|          | 59       | <u> </u>   | _            | _  | _  | Щ        |  | ·        |              | _            |  |  |  |
|          | 60       |  |              |  |  |          |  |          |              |              |  |  |  |
|          | 61       |  |              |  |  |          |  |          |              |              |  |  |  |
|          | 62       |  |              | Г  | П  |          |  |          | $\Box$       |              |  |  |  |
|          | 63       | <del>                                     </del> | _            | $\vdash$   | $\vdash$   | $\vdash$ | $\vdash$   | $\vdash$ | $\vdash$     | $\vdash$     |  |  |  |
| -        | 64       | ┝  | <del></del>  | <del> </del>                                     | <del>                                     </del> | -        | $\vdash$   | $\vdash$ | $\vdash$     | <del> </del> |  |  |  |
| <u> </u> | 64       | _  | L-           | <u> </u>   |  | L        | <u> </u>   |          | <u> </u>     | <u> </u>     |  |  |  |
|          | 65       | $oxed{oxed}$                                     | L.           |  |  |          | <u> </u>   |          |              |              |  |  |  |
|          | 66       |  |              |  |  |          |  |          |              |              |  |  |  |
|          | 67       |  |              |  |  |          |  |          |              |              |  |  |  |
|          | 68       |  |              | $\vdash$   |  |          |  |          | $\vdash$     |              |  |  |  |
|          | 60       | -  | -            | -  |  |          |  | -        |              |              |  |  |  |
| ļ        | 69       |  | _            | <u> </u>   | $\vdash$   | _        | _  |          | _            | _            |  |  |  |
|          | 70       | _  | _            | <u> </u>   | L  | L_       | _  |          |              |              |  |  |  |
|          | 71       |  |              |  |  |          |  |          |              |              |  |  |  |
|          | 72       |  |              |  |  |          |  |          |              |              |  |  |  |
|          | 73       |  |              |  |  |          |  |          |              |              |  |  |  |
|          | 74       |  | -            | ┢  | -  | _        | -  |          | -            |              |  |  |  |
| <b></b>  |          | -  | ├            | ⊢  | $\vdash$   | _        | -  | -        |              | _            |  |  |  |
| <u> </u> | .75      | $\vdash$   | _            | <u> </u>   |  |          | <u> </u>   |          | _            |              |  |  |  |
| <u> </u> | 76<br>77 | ш  |              |  | ļ  |          | L  |          |              |              |  |  |  |
| l        | 77       | 1  | İ.           |  |  |          |  |          |              |              |  |  |  |
|          | 78       |  |              |  |  |          |  |          |              |              |  |  |  |
|          | 79       | <del>                                     </del> | $\vdash$     | $\vdash$   |  |          |  |          |              |              |  |  |  |
| -        | 80       | H  | $\vdash$     | -  | -  | -        | $\vdash$   | _        | -            | -            |  |  |  |
| -        | 00       | $\vdash$   | _            | ⊢  | $\vdash$   | $\vdash$ | $\vdash$   | -        | $\vdash$     | -            |  |  |  |
|          | 81       | <u> </u>   | <u> </u>     | <u> </u>   |  | Щ        | <u> </u>   | <u> </u> | <u> </u>     | <u> </u>     |  |  |  |
|          | 82       | L_   |              | _  |  | L_       |  |          |              |              |  |  |  |
|          | 83       | L  | L_           | L  |  | L        |  | L        | L            | L            |  |  |  |
|          | 84       |  |              |  |  |          |  |          |              |              |  |  |  |
|          | 85       | Г  |              |  |  |          |  |          |              |              |  |  |  |
|          | 86       | $\vdash$   | <del> </del> | $\vdash$   | $\vdash$   | $\vdash$ | $\vdash$   | -        | $\vdash$     |              |  |  |  |
|          | 00       | ├  |              | <del> </del>                                     | $\vdash$   | $\vdash$ | -  | -        | $\vdash$     | _            |  |  |  |
| <u> </u> | 87       | <u> </u>   | <u> </u>     | <u> </u>   | _  | <u> </u> | $\vdash$   | $\vdash$ | <u> </u>     |              |  |  |  |
| <u> </u> | 88       | Ш  | L.           | $\sqsubseteq$                                    |  |          | Ш  |          |              |              |  |  |  |
|          | 89       |  |              | L  |  | L        |  |          |              |              |  |  |  |
|          | 90       |  |              |  |  |          |  |          |              |              |  |  |  |
|          | 91       | Г  | Г            | Г  |  | Г        |  | П        |              |              |  |  |  |
| $\vdash$ | 92       | $\vdash$   | $\vdash$     | -  | $\vdash$   | $\vdash$ | -  | $\vdash$ | $\vdash$     | _            |  |  |  |
|          |          | $\vdash$   | $\vdash$     | $\vdash$   | $\vdash$   | $\vdash$ | $\vdash$   | $\vdash$ | $\vdash$     | -            |  |  |  |
|          | 93       | $\vdash$   | <u> </u>     | <u> </u>   | <u> </u>   | <u> </u> | <u> </u>   | $\vdash$ | <u> </u>     | <u> </u>     |  |  |  |
| L        | 94       | $oxed{oxed}$                                     | L.           | L  |  |          | <u> </u>   |          |              |              |  |  |  |
|          | 95       |  |              | _  |  |          |  |          | ]            | _            |  |  |  |
|          | 96       |  |              | Г  | Г  |          |  |          |              |              |  |  |  |
|          | 97       | Н  | H            | <del>                                     </del> |  |          | $\vdash$   |          | Н            | Ι            |  |  |  |
| <b> </b> |          | ├—   | -            | $\vdash$   | ⊢-   | $\vdash$ |  |          | <del> </del> | <del> </del> |  |  |  |
| -        | 98       | $\vdash$   | <u> </u>     | <u> </u>   | <b> </b>   | <u> </u> | $\vdash$   | Щ.       | ļ            | <u> </u>     |  |  |  |
|          | 99       | oxdot  | <u> </u>     | <u> </u>   |  | L_       | $ldsymbol{ld}}}}}}$ |          |              | L_           |  |  |  |
|          | 100      |  | l            | 1  | I - 1  |          | I _  |          | "            | 1            |  |  |  |

| Claim Date Claim Date |          |      |                         |           |  |   |   |        |   |        |   |       |          |           |        |  |  |  |   |        |  |  |
|-----------------------|----------|------|-------------------------|-----------|--|---|---|--------|---|--------|---|-------|----------|-----------|--------|--|--|--|---|--------|--|--|
| Cla                   | im       | Date |                         |           |  |   |   |        |   | Claim  |   |       | Date     |           |        |  |  |  |   |        |  |  |
| Final                 | Originaf |      |                         |           |  |   |   |        |   |        |   | Final | Original |           |        |  |  |  |   |        |  |  |
|                       | 51       |      | 1.                      |           |  |   |   |        |   |        |   |       | 101      |           |        |  |  |  |   |        |  |  |
|                       | 52       |      | I                       | $\Box$    |  |   |   |        |   |        |   |       | 102      |           |        |  |  |  |   |        |  |  |
|                       | 53       |      | I                       | $\exists$ |  |   |   |        |   |        |   |       | 103      |           |        |  |  |  |   |        |  |  |
|                       | 54       |      |                         |           |  |   |   |        |   |        |   |       | 104      |           |        |  |  |  |   |        |  |  |
|                       | 55       |      |                         | Ţ         |  |   | Г | П      |   |        |   |       | 105      | П         | П      |  |  |  |   |        |  |  |
|                       | 56       |      |                         |           |  |   |   |        |   |        |   |       | 106      |           |        |  |  |  |   |        |  |  |
|                       | 57       |      |                         | 7         |  |   |   |        |   |        |   |       | 107      |           |        |  |  |  |   |        |  |  |
|                       | 58       |      |                         |           |  |   |   |        |   |        |   |       | 108      |           |        |  |  |  |   |        |  |  |
|                       | 59       |      |                         |           |  |   |   |        |   |        |   |       | 109      |           |        |  |  |  |   |        |  |  |
|                       | 60       |      |                         | $\Box$    |  |   |   |        |   |        |   |       | 110      |           |        |  |  |  |   |        |  |  |
|                       | 61       |      | Т                       |           |  |   |   |        |   |        |   |       | 111      |           |        |  |  |  |   |        |  |  |
|                       | 62       |      | Т                       | Т         |  |   |   |        |   |        |   |       | 112      |           |        |  |  |  |   |        |  |  |
|                       | 63       |      | Ι                       |           |  |   |   |        |   |        |   |       | 113      |           |        |  |  |  |   |        |  |  |
|                       | 64       |      | Ι                       | Ţ         |  |   |   |        |   |        |   |       | 114      |           |        |  |  |  |   |        |  |  |
|                       | 65       |      | Т                       | П         |  |   |   |        |   |        |   |       | 115      |           |        |  |  |  |   |        |  |  |
|                       | 66       |      | $ footnote{}{}$         | J         |  |   |   |        |   |        |   |       | 116      |           | $\Box$ |  |  |  |   | L      |  |  |
|                       | 67       |      | Т                       | I         |  |   |   |        |   |        |   |       | 117      |           |        |  |  |  |   |        |  |  |
|                       | 68       |      |                         |           |  |   |   |        |   |        |   |       | 118      |           |        |  |  |  |   |        |  |  |
|                       | 69       |      | Т                       | T         |  |   |   |        |   |        |   |       | 119      |           | П      |  |  |  |   |        |  |  |
|                       | 70       |      | Τ                       | T         |  |   |   |        |   |        |   |       | 120      |           |        |  |  |  |   |        |  |  |
|                       | 71       |      | Ι                       | Ι         |  |   |   |        |   |        |   |       | 121      |           |        |  |  |  |   |        |  |  |
|                       | 72       |      |                         |           |  |   |   |        |   |        |   |       | 122      |           |        |  |  |  |   |        |  |  |
|                       | 73       |      | Т                       |           |  |   |   |        |   |        |   |       | 123      |           |        |  |  |  |   |        |  |  |
|                       | 74       |      | Т                       | П         |  |   |   |        |   |        |   |       | 124      |           |        |  |  |  |   |        |  |  |
|                       | ·75      |      | T                       | П         |  |   |   |        |   |        |   |       | 125      |           |        |  |  |  |   |        |  |  |
|                       | 76       |      | Τ.                      | T         |  |   |   |        |   |        |   |       | 126      |           | $\Box$ |  |  |  |   |        |  |  |
|                       | 77       |      | L                       |           |  |   |   |        |   |        |   |       | 127      |           |        |  |  |  |   |        |  |  |
|                       | 78       |      | Т                       | Т         |  |   |   |        |   |        |   |       | 128      | П         |        |  |  |  | Г |        |  |  |
|                       | 79       |      | Т                       | T         |  |   |   |        | Г |        |   |       | 129      |           |        |  |  |  |   |        |  |  |
|                       | 80       |      | Т                       |           |  |   |   |        |   |        |   |       | 130      |           |        |  |  |  |   |        |  |  |
|                       | 81       |      | Т                       | T         |  |   |   |        |   |        |   |       | 131      | П         | П      |  |  |  |   |        |  |  |
|                       | 82       |      | Ι                       | J         |  |   |   |        |   |        |   |       | 132      |           | $\Box$ |  |  |  |   |        |  |  |
|                       | 83       |      |                         | I         |  |   |   |        |   |        |   |       | 133      |           | $\Box$ |  |  |  |   |        |  |  |
|                       | 84       |      |                         | I         |  |   |   |        |   |        |   |       | 134      |           |        |  |  |  |   |        |  |  |
|                       | 85       |      | Ι                       | J         |  |   |   |        |   |        |   |       | 135      |           | J      |  |  |  |   |        |  |  |
|                       | 86       |      | $oxed{oxed}$            | J         |  |   |   |        |   |        |   |       | 136      |           |        |  |  |  |   |        |  |  |
|                       | 87       |      | Ι                       | J         |  |   |   |        |   |        |   |       | 137      |           |        |  |  |  |   |        |  |  |
|                       | 88       |      | Γ                       | I         |  |   |   |        |   |        | [ |       | 138      | $\square$ |        |  |  |  |   |        |  |  |
|                       | 89       |      | $oldsymbol{\mathbb{L}}$ | $\rfloor$ |  |   | L |        | 匚 |        | [ |       | 139      | Ш         | $\Box$ |  |  |  |   | $\Box$ |  |  |
|                       | 90       |      | $oldsymbol{\mathbb{I}}$ | I         |  |   |   |        |   |        |   |       | 140      |           |        |  |  |  |   |        |  |  |
|                       | 91       |      | $oldsymbol{\mathbb{T}}$ | I         |  |   |   |        |   |        |   |       | 141      |           |        |  |  |  |   |        |  |  |
|                       | 92       |      | Ι                       | bracket   |  |   |   |        |   |        |   |       | 142      |           |        |  |  |  |   |        |  |  |
|                       | 93       |      | $\prod$                 | J         |  |   |   |        |   |        | [ |       | 143      |           |        |  |  |  |   |        |  |  |
|                       | 94       |      | $oldsymbol{\Gamma}$     | Ī         |  |   |   |        |   |        | [ |       | 144      |           | $\Box$ |  |  |  |   |        |  |  |
|                       | 95       |      | $\perp$                 |           |  |   |   | $\Box$ |   | $\Box$ | [ |       | 145      | $\Box$    |        |  |  |  |   |        |  |  |
|                       | 96       |      | $\perp$                 | $\rfloor$ |  |   | 匚 |        |   |        | [ |       | 146      | $\Box$    | $\Box$ |  |  |  |   |        |  |  |
|                       | 97       |      | ⊥                       | J         |  |   | L | Ĺ      |   |        | [ |       | 147      | Ш         | $\Box$ |  |  |  |   |        |  |  |
|                       | 98       |      | $oldsymbol{\mathbb{I}}$ | I         |  |   |   |        |   |        | [ |       | 148      |           |        |  |  |  |   |        |  |  |
|                       | 99       |      | $\perp$                 |           |  |   |   |        |   |        | [ |       | 149      |           |        |  |  |  |   |        |  |  |
|                       | 100      |      |                         | Ī         |  | L |   |        |   | للل    | [ |       | 150      | Ш         |        |  |  |  |   |        |  |  |
|                       |          |      |                         |           |  |   |   | -      |   |        |   |       |          |           |        |  |  |  |   |        |  |  |